



Item 16: Improvements in Maintenance Processes for Reliable Operations that are Verifiable and Effective for Hydrogen Refueling Stations (IMPROVE for H2) GFO-23-604

May 8, 2024 Business Meeting

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Commercial and Industrial ZEV Technologies and Infrastructure Branch



Solicitation Overview

- Support existing station operations and maintenance (O&M)
- Improve the customer experience

GRANT FUNDING OPPORTUNITY

Clean Transportation Program

Improvements in Maintenance Processes for Reliable Operations that are Verifiable and Effective for Hydrogen Refueling Stations (IMPROVE for H2)



GFO-23-604
[Solicitation Information](https://www.energy.ca.gov/funding-opportunities/solicitations)
<https://www.energy.ca.gov/funding-opportunities/solicitations>
State of California
California Energy Commission
November 2023



Benefits to Californians

- Long-lasting improvements to station reliability and availability
- Improved FCEV driver experience



Photo Credit: CEC



Photo Credit: CEC



Iwatani Corporation of America – Project Overview

- O&M activities at 7 existing stations:
 - New hardware components
 - New software tools
 - Customer facing mobile app
 - Expansion of spare parts inventory



Photo Credit: Hydrogen Fuel Cell Partnership



FirstElement Fuel, Inc. – Project Overview

- O&M activities at 38 existing stations:
 - Recruiting and hiring additional staff
 - Point of sale interface improvements
 - Mobile application development
 - Expansion of spare parts inventory



Photo Credit: Hydrogen Fuel Cell Partnership



Staff Recommendation

- Iwatani Corporation of America (16a)
 - Approve grant agreement for \$2,449,744
 - Adopt Staff CEQA findings
- FirstElement Fuel, Inc. (16b)
 - Approve grant agreement for \$7,000,000
 - Adopt Staff CEQA findings